IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Atty. Docket

JOHAN G. KLOOSTERBOER ET AL NL000430

Filed: CONCURRENTLY

Title: METHOD OF MANUFACTURING A REPLICA AS WELL AS A REPLICA OBTAINED BY CARRYING OUT AN UV LIGHT-INITIATED CATIONIC POLYMERIZATION

Commissioner for Patents, Washington, D.C. 20231

PRELIMINARY AMENDMENT

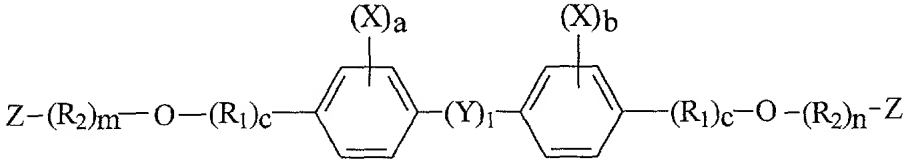
Sir:

Prior to calculation of the filing fee and examination, please amend the above-identified application as follows:

IN THE CLAIMS

Please amend Claims 3, 4, 5, 8, and 10-12 to be in the form as follows. A marked up copy of the claims is included in an appendix following this amendment for the Examiners convenience.

3. A method as claimed in claim 1, characterized in that the compound is represented by the following general formula:



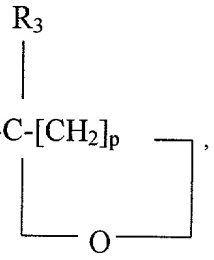
wherein:

Y = -O-, -SO_2-, -CH_2-, -$C(CF_3)_2$-, -$C(CH_3)_2$-,

X = a halogen or CH_3,

R_1 = $-CH_2-$, $-C(CH_3)_2-$,

R_2 = $-OCH_2CH_2-$, $-OCCH_3HCH_2-$, $-OCH_2CCH_3H-$, $-OCH_2CHOHCH_2-$,



R_3 = H, C_nH_{2n+1},

n = an integer ≥ 1,

p = 1-4,

m, a, b, c are each individual integers in the range from 0-4.

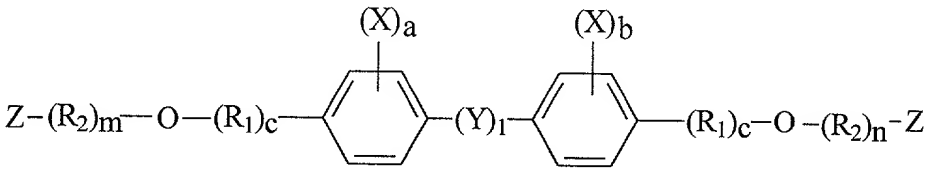
4. A method as claimed in claim 1, characterized in that the compound is selected from the group formed by 1,2,7,8-diepoxyoctane, 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate, bis(3,4-epoxycyclohexylmethyl)adipate, bis(3,4-epoxy-6-methylcyclohexylmethyl)adipate and C12-C14-alkylglycidylether and the corresponding oxetane compounds thereof, in particular 1,4-bis[(3-ethyl-3-oxetanylmethoxy)methyl]benzene.

5. A method as claimed in claim 1, characterized in that for the reactive diluent use is made of a compound selected from the group formed by butylglycidylether, heptylglycidylether, octylglycidylether, allylglycidylether, p-t-butylphenylglycidylether, phenylglycidylether, cresylglycidylether, diglycidylether of 1,4-butanediol, diglycidylether of neopentylglycol, diglycidylether of polypropeneglycol,

vinylcyclohexanedioxide, diglycidylether of recorcinol, diglycidylether of polypropeneglycol and diglycidylester of linoleic acid dimer and the corresponding oxetane compounds thereof.

8. A replica as claimed in claim 6, characterized in that the replica obtained is an optical component.

10. A replica as claimed in claim 7, characterized in that the compound is represented by the following general formula I:



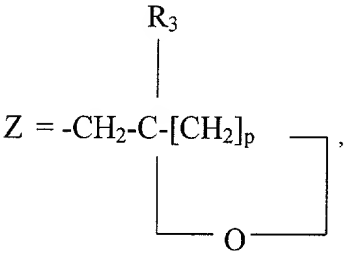
wherein:

Y = -O-, $-SO_2-$, $-CH_2-$, $-C(CF_3)_2-$, $-C(CH_3)_2-$,

X =a halogen or CH_3,

R_1 = $-CH_2-$, $-C(CH_3)_2-$,

R_2 = $-OCH_2CH_2-$, $-OCCH_3HCH_2-$, $-OCH_2CCH_3H-$, $-OCH_2CHOHCH_2-$,



R_3 = H, C_nH_{2n+1},

n = an integer ≥ 1,

p = 1-4,

m, a, b, c are each individual integers in the range from 0-4.

11. A replica as claimed in claim 8, characterized in that the compound is selected from the group formed by 1,2,7,8-diepoxyoctane, 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate, bis(3,4-epoxycyclohexylmethyl)adipate, bis(3,4-epoxy-6-methylcyclohexyl-methyl)adipate and C12-C14-alkylglycidylether and the corresponding oxetane compounds thereof, in particular 1,4-bis[(3-ethyl-3-oxetanylmethoxy)methyl]benzene.

12. A replica as claimed in claim 9, characterized in that for the reactive diluent use is made of a compound selected from the group formed by butylglycidylether, heptylglycidylether, octylglycidylether, allylglycidylether, p-t-butylphenylglycidylether, phenylglycidylether, cresylglycidylether, diglycidylether of 1,4-butanediol, diglycidylether of neopentylglycol, diglycidylether of polypropeneglycol, vinylcyclohexanedioxide, diglycidylether of recorcinol, diglycidylether of polypropeneglycol and diglycidylester of linoleic acid dimer and the corresponding oxetane compounds thereof.

REMARKS

The foregoing Preliminary Amendment to the claims was made solely to avoid filing the claims in the multiple dependant form so as to avoid the additional filing fee.

The claims were not amended in order to address issues of patentability and Applicants respectfully reserves all rights they may have under the Doctrine of Equivalents. Applicants furthermore reserves their right to reintroduce subject matter deleted herein at a later time during the prosecution of this application or continuing applications.

Respectfully submitted,

By ________________________

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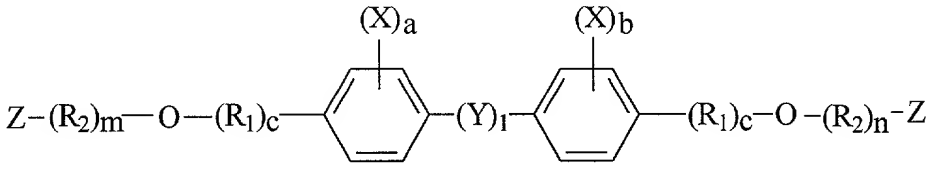
APPENDIX A

3. A method as claimed in claim 1~~-2~~, characterized in that the compound is represented by the following general formula:



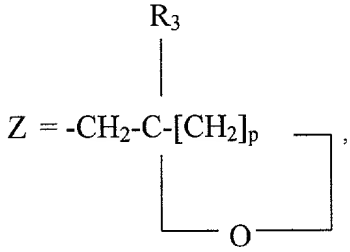
wherein:

Y = -O-, $-SO_2-$, $-CH_2-$, $-C(CF_3)_2-$, $-C(CH_3)_2-$,

X = a halogen or CH_3,

R_1 = $-CH_2-$, $-C(CH_3)_2-$,

R_2 = $-OCH_2CH_2-$, $-OCCH_3HCH_2-$, $-OCH_2CCH_3H-$, $-OCH_2CHOHCH_2-$,



R_3 = H, C_nH_{2n+1},

n = an integer ≥ 1,

p = 1-4,

m, a, b, c are each individual integers in the range from 0-4.

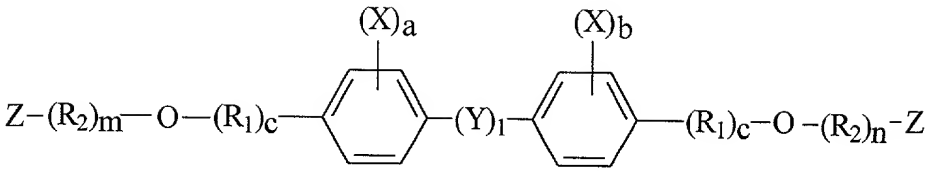
4. A method as claimed in ~~claims 1-2~~ claim 1, characterized in that the compound is selected from the group formed by 1,2,7,8-diepoxyoctane, 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate, bis(3,4-epoxycyclohexylmethyl)adipate, bis(3,4-epoxy-6-methylcyclohexylmethyl)adipate and C12-C14-

alkylglycidylether and the corresponding oxetane compounds thereof, in particular 1,4-bis[(3-ethyl-3-oxetanylmethoxy)methyl]benzene.

5. A method as claimed in ~~claims 1-4~~ claim 1, characterized in that for the reactive diluent use is made of a compound selected from the group formed by butylglycidylether, heptylglycidylether, octylglycidylether, allylglycidylether, p-t-butylphenylglycidylether, phenylglycidylether, cresylglycidylether, diglycidylether of 1,4-butanediol, diglycidylether of neopentylglycol, diglycidylether of polypropeneglycol, vinylcyclohexanedioxide, diglycidylether of recorcinol, diglycidylether of polypropeneglycol and diglycidylester of linoleic acid dimer and the corresponding oxetane compounds thereof.

8. A replica as claimed in ~~claims 6-7~~ claim 6, characterized in that the replica obtained is an optical component.

10. A replica as claimed in ~~claims 6-9~~ claim 7, characterized in that the compound is represented by the following general formula I:



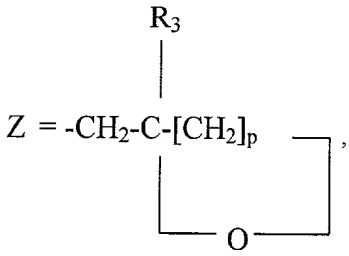
wherein:

Y = -O-, $-SO_2-$, $-CH_2-$, $-C(CF_3)_2-$, $-C(CH_3)_2-$,

X =a halogen or CH_3,

R_1 = $-CH_2-$, $-C(CH_3)_2-$,

R_2 = $-OCH_2CH_2-$, $-OCCH_3HCH_2-$, $-OCH_2CCH_3H-$, $-OCH_2CHOHCH_2-$,



R_3 = H, C_nH_{2n+1},

n = an integer ≥ 1,

p = 1-4,

m, a, b, c are each individual integers in the range from 0-4.

11. A replica as claimed in ~~claims 6-10~~ claim 8, characterized in that the compound is selected from the group formed by 1,2,7,8-diepoxyoctane, 3,4-epoxycyclohexylmethyl-3',4'-epoxycyclohexanecarboxylate, bis(3,4-epoxycyclohexylmethyl)adipate, bis(3,4-epoxy-6-methylcyclohexyl-methyl)adipate and C12-C14-alkylglycidylether and the corresponding oxetane compounds thereof, in particular 1,4-bis[(3-ethyl-3-oxetanylmethoxy)methyl]benzene.

12. A replica as claimed in ~~claims 6-11~~ claim 9, characterized in that for the reactive diluent use is made of a compound selected from the group formed by butylglycidylether, heptylglycidylether,

octylglycidylether, allylglycidylether, p-t-butylphenylglycidylether, phenylglycidylether, cresylglycidylether, diglycidylether of 1,4-butanediol, diglycidylether of neopentylglycol, diglycidylether of polypropeneglycol, vinylcyclohexanedioxide, diglycidylether of recorcinol, diglycidylether of polypropeneglycol and diglycidylester of linoleic acid dimer and the corresponding oxetane compounds thereof.